

#### **ABSTRACT**

A measurement support apparatus comprises a shape definition data input section, a contour shape generator, a measurement part program input section, an analyzer, a synthesizer, and a display unit. The shape definition data input section is used for entering shape definition data for an object to be measured. The contour shape generates a contour shape based on the shape definition data. The measurement part program input section is used for entering a measurement part program. The analyzer analyzes the measurement part program and outputs the analysis results. The synthesizer synthesizes the analysis results with the contour shape. The display unit displays the synthesis image.